

EAST 09/835,523

L Number	Hits	Search Text	DB	Time stamp
4	2501	((514/252.01) or (514/248) or (514/406) or (514/407)).CCLS.	USPAT; US-PGPUB	2004/04/20 18:28
5	2891	((540/553) or (544/238) or (548/356.1) or (548/364.1) or (548/364.7)).CCLS.	USPAT; US-PGPUB	2004/04/20 18:29
6	4937	((514/252.01) or (514/248) or (514/406) or (514/407)).CCLS.) or (((540/553) or (544/238) or (548/356.1) or (548/364.1) or (548/364.7)).CCLS.)	USPAT; US-PGPUB	2004/04/20 18:29
7	596	((514/252.01) or (514/248) or (514/406) or (514/407)).CCLS.) or (((540/553) or (544/238) or (548/356.1) or (548/364.1) or (548/364.7)).CCLS.) and (diaz or pyrazolidin or pyrazolidinyl or dihydropyridazin or dihydropyridazinyl)	USPAT; US-PGPUB	2004/04/20 18:30

09/ 835,523

Connecting via Winsock to STN

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated  
and searchable  
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in  
CA/CAPLUS  
NEWS 5 FEB 05 German (DE) application and patent publication number format  
changes  
NEWS 6 MAR 03 MEDLINE and LMedline reloaded  
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 8 MAR 03 FRANCEPAT now available on STN  
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN  
NEWS 10 MAR 29 WPIFV now available on STN  
NEWS 11 MAR 29 No connect hour charges in WPIFV until May 1, 2004  
NEWS 12 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA  
  
NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 APRIL 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 13:58:14 ON 20 APR 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

0.42

FILE 'REGISTRY' ENTERED AT 13:59:25 ON 20 APR 2004

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09/ 835,523

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 APR 2004 HIGHEST RN 676225-08-4  
DICTIONARY FILE UPDATES: 19 APR 2004 HIGHEST RN 676225-08-4

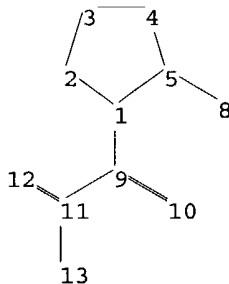
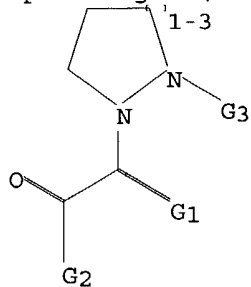
TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
Uploading C:\STNEXP4\QUERIES\09835523.str



chain nodes :  
8 9 10 11 12 13  
ring nodes :  
1 2 3 4 5  
chain bonds :  
1-9 5-8 9-10 9-11 11-12 11-13  
ring bonds :  
1-2 1-5 2-3 3-4 4-5  
exact/norm bonds :  
1-9 5-8 9-10 11-12 11-13  
exact bonds :  
1-2 1-5 2-3 3-4 4-5 9-11  
isolated ring systems :  
containing 1 :

G1:O,S

G2:H,Cb,Hy,Ak

G3:C,O,S,N,P

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS  
13:CLASS

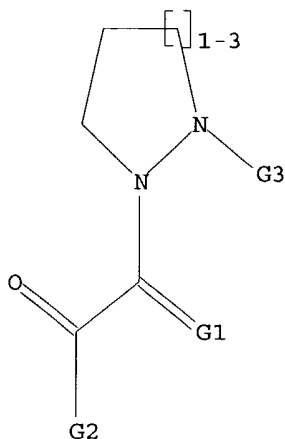
L1 STRUCTURE UPLOADED

09/ 835,523

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S

G2 H,Cb,Hy,Ak

G3 C,O,S,N,P

Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 14:00:04 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 138 TO ITERATE

100.0% PROCESSED 138 ITERATIONS

28 ANSWERS

SEARCH TIME: 00.00.01

L2 28 SEA SSS FUL L1

=> file caplus

FILE 'CAPLUS' ENTERED AT 14:00:08 ON 20 APR 2004

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FILE COVERS 1907 - 20 Apr 2004 VOL 140 ISS 17

FILE LAST UPDATED: 19 Apr 2004 (20040419/ED)

09/ 835,523

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> s l2

L3                    5 L2

=> d l3 1- ibib abs hitstr

YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:788599 CAPLUS

DOCUMENT NUMBER: 149:122089

TITLE: Synthesis, molecular modeling and biological evaluation of aza-proline and aza-pipecolic derivatives as FKBP12 ligands and their in vivo neuroprotective effects

AUTHOR(S): Wilkinson, Douglas E.; Thomas, Bert E.; Limburg, David C.; Holmes, Agnes; Sauer, Hansjorg; Ross, Douglas T.; Soni, Raj; Chen, Yi; Guo, Hong; Howorth, Pamela; Valentine, Heather; Spicer, Dawn; Fuller, Mike; Steiner, Joseph P.; Hamilton, Gregory S.; Wu, Yong-Qian

CORPORATE SOURCE: Department of Research, Guilford Pharmaceuticals, Inc., Baltimore, MD, 21224, USA

SOURCE: Bioorganic & Medicinal Chemistry (2003), 11(22), 4815-4825

CODEN: BMECEP; ISSN: 0968-0896

PUBLISHER: Elsevier Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Nonimmunosuppressant ligands, exemplified by GPI 1046, for the peptidyl-prolyl isomerase FKBP12 have been found to unexpectedly possess powerful neuroprotective and neuroregenerative effects in vitro and in vivo. We have extensively explored the therapeutic utility of FKBP12 ligands based on analogs of proline and pipecolic acid. As part of our ongoing program to explore novel structural classes of FKBP12 ligands, we herein wish to report a new class of FKBP12 ligands containing aza-proline and aza-pipecolic acid analogs. Details of the synthetic studies, together with biol. activity will be presented.

IT 340255-68-7P 340255-88-1P 340255-89-2P

340255-90-5P 340255-91-6P 340255-92-7P

340255-94-9P 340255-95-0P 340255-96-1P

340255-99-4P 340256-00-0P 340256-02-2P

340256-03-3P 340256-04-4P 648958-29-6P

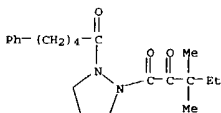
648958-30-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(aza-proline and aza-pipecolic deriva. as FKBP12 ligands with neuroprotective effects)

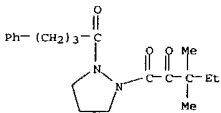
RN 340255-68-7 CAPLUS

CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-5-phenylpentyl)- (9CI) (CA INDEX NAME)



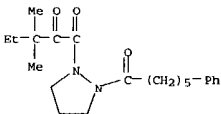
RN 340255-88-1 CAPLUS

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



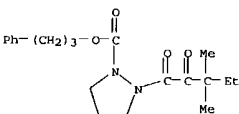
RN 340255-92-7 CAPLUS

CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-6-phenylhexyl)- (9CI) (CA INDEX NAME)



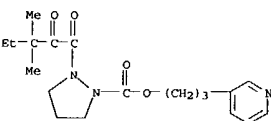
RN 340255-94-9 CAPLUS

CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-phenylpropyl ester (9CI) (CA INDEX NAME)



RN 340255-95-0 CAPLUS

CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-(3-pyridinyl)propyl ester (9CI) (CA INDEX NAME)

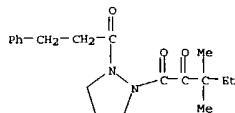


RN 340255-96-1 CAPLUS

CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 4-phenylbutyl ester (9CI) (CA INDEX NAME)

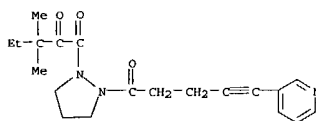
L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-3-phenylpropyl)- (9CI) (CA INDEX NAME)



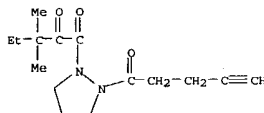
RN 340255-89-2 CAPLUS

CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-[1-oxo-5-(3-pyridinyl)-4-pentynyl]- (9CI) (CA INDEX NAME)



RN 340255-90-5 CAPLUS

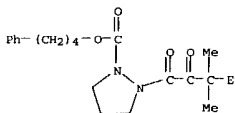
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-4-pentynyl)- (9CI) (CA INDEX NAME)



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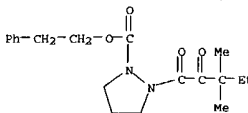
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-4-phenylbutyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



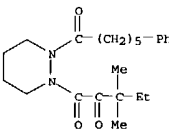
RN 340255-99-4 CAPLUS

CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 2-phenylethyl ester (9CI) (CA INDEX NAME)



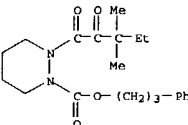
RN 340256-00-0 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-6-phenylhexyl)- (9CI) (CA INDEX NAME)



RN 340256-02-2 CAPLUS

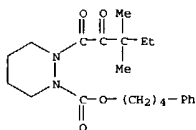
CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 3-phenylpropyl ester (9CI) (CA INDEX NAME)



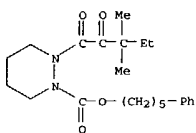
RN 340256-03-3 CAPLUS

09/ 835,523

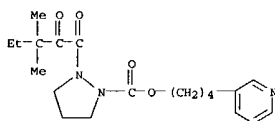
L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 4-phenylbutyl ester (9CI) (CA INDEX NAME)



RN 340256-04-4 CAPLUS  
CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 5-phenylpentyl ester (9CI) (CA INDEX NAME)

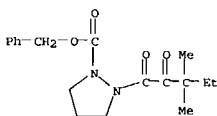


RN 648958-29-6 CAPLUS  
CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 4-(3-pyridinyl)butyl ester (9CI) (CA INDEX NAME)

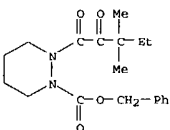


RN 648958-30-9 CAPLUS  
CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 5-(3-pyridinyl)pentyl ester (9CI) (CA INDEX NAME)

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

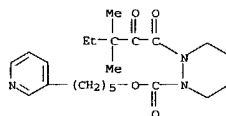


RN 648958-46-7 CAPLUS  
CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, phenylmethyl ester (9CI) (CA INDEX NAME)

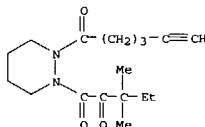


REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

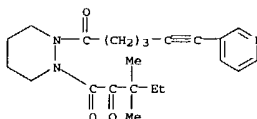
L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



IT 340256-19-1P 340256-20-4P 648958-45-6P  
648958-46-7P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(aza-proline and aza-pipecolic derivs. as FKBP12 ligands with neuroprotective effects)  
RN 340256-19-1 CAPLUS  
CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-[1-oxo-5-hexynyl]- (9CI) (CA INDEX NAME)



RN 340256-20-4 CAPLUS  
CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-[1-oxo-6-(3-pyridinyl)-5-hexynyl]- (9CI) (CA INDEX NAME)

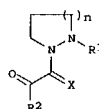


RN 648958-45-6 CAPLUS  
CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, phenylmethyl ester (9CI) (CA INDEX NAME)

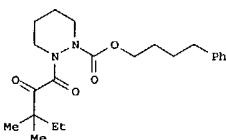
L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:172490 CAPLUS  
DOCUMENT NUMBER: 136:232310  
TITLE: Preparation of N-substituted cyclic aza compounds having neuronal activity  
INVENTOR(S): Wu, Yong-qian; Huang, Wei; Hamilton, Gregory S.  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl., 54 pp., Cont.-in-part of U. S. Ser. No. 551,618.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002028814	A1	20020307	US 2001-835523	20010417
US 6417189	B1	20020709	US 2000-551618	20000417
PRIORITY APPLN. INFO.:			US 1999-164950P	P 19991112
			US 2000-551618	A2 20000417

OTHER SOURCE(S): MARPAT 136:232310  
GI



I



II

AB Title compds. I [n = 1-3; R1 = CR3, CO2R3, COR3, etc.; R2, R3 = H, alkyl, alkenyl, etc.; X = O, S], useful for effecting neuronal activities, were prepared. Thus, II was prepared via a multi-step synthesis from tert-Bu 2-benzylperhydropyridazinecarboxylate. Biol. data for I (results of test for rotamase inhibition and MPTP model of Parkinson's disease) were given. E.g., II possessed a Ki value of 1175 nM in inhibition studies of rotamase and a 14% TH recovery in MPTP models.  
IT 340255-68-7P 340255-88-1P 340255-89-2P 340255-90-5P 340255-91-6P 340255-92-7P

*preparation*

L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

340255-93-8P 340255-94-9P 340255-95-0P

340255-96-1P 340255-99-4P 340256-00-0P

340256-01-1P 340256-02-2P 340256-03-3P

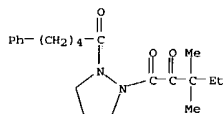
340256-04-4P 340256-07-7P 340256-09-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of N-substituted cyclic aza compds. having neuronal activity)

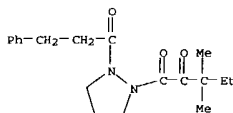
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CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-5-phenylpentyl)- (9CI) (CA INDEX NAME)



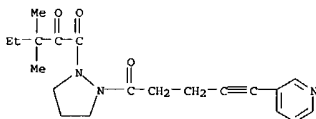
RN 340255-88-1 CAPLUS

CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-3-phenylpropyl)- (9CI) (CA INDEX NAME)



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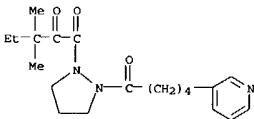
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-[1-oxo-5-(3-pyridinyl)-4-pentynyl]- (9CI) (CA INDEX NAME)



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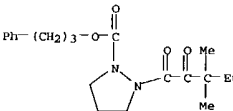
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-4-pentynyl)- (9CI)

L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



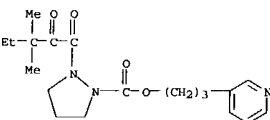
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CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-phenylpropyl ester (9CI) (CA INDEX NAME)



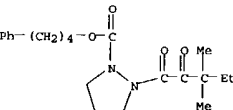
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CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-(3-pyridinyl)propyl ester (9CI) (CA INDEX NAME)



RN 340255-96-1 CAPLUS

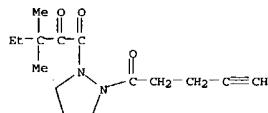
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RN 340255-99-4 CAPLUS

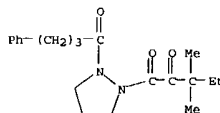
CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-,

L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



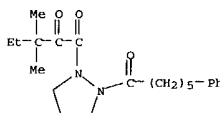
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RN 340255-92-7 CAPLUS

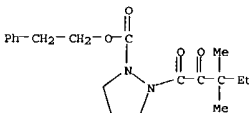
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RN 340255-93-8 CAPLUS

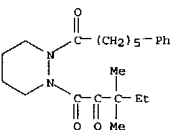
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-[1-oxo-5-(3-pyridinyl)pentyl]- (9CI) (CA INDEX NAME)

L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



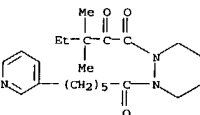
RN 340256-00-0 CAPLUS

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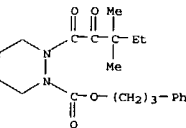
RN 340256-01-1 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-[1-oxo-6-(3-pyridinyl)hexyl]- (9CI) (CA INDEX NAME)



RN 340256-02-2 CAPLUS

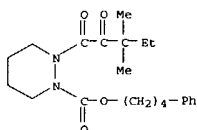
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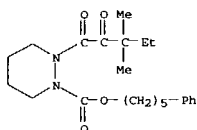


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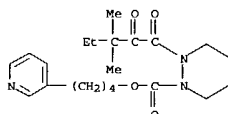
L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
 RN 340256-03-3 CAPLUS  
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RN 340256-04-4 CAPLUS  
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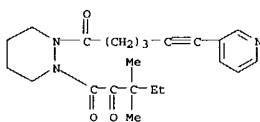


RN 340256-07-7 CAPLUS  
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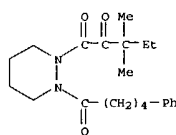


RN 340256-09-9 CAPLUS  
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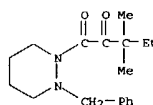
L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



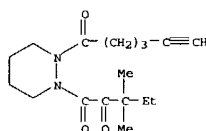
L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



IT 340256-17-9P 340256-19-1P 340256-20-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of N-substituted cyclic aza compds. having neuronal activity)  
 RN 340256-17-9 CAPLUS  
 CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(phenylmethyl)- (9CI) (CA INDEX NAME)



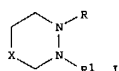
RN 340256-19-1 CAPLUS  
 CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-5-hexynyl)- (9CI) (CA INDEX NAME)



RN 340256-20-4 CAPLUS  
 CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-6-(3-pyridinyl)-5-hexynyl)- (9CI) (CA INDEX NAME)

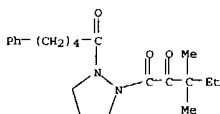
L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2001:780859 CAPLUS  
 DOCUMENT NUMBER: 135:331433  
 TITLE: Preparation of cyclic diaza compounds for treating neurodegenerative disorders  
 INVENTOR(S): Wu, Yong-Qian; Huang, Mei; Hamilton, Gregory S.  
 PATENT ASSIGNEE(S): GPI NIL Holdings, Inc., USA  
 SOURCE: PCT Int. Appl., 162 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001079177	A1	20011025	WO 2001-US12322	20010417
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MK, MN, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6417189		B1	20020709	US 2000-551618
PRIORITY APPLN. INFO.:			US 2000-551618	A 20000417
			US 1999-164950P	P 19991112
OTHER SOURCE(S):		MARPAT 135:331433		
GI				

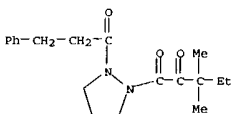


AB Title compds. [I;X = bond, CH2; R = COY(CH2)nC6H5, 5-(3-pyridyl)-pent-4-ynoyl, NCCCCH2CH2CO, 5-(3-pyridyl)-pentanoyl, 3-(3-pyridyl)-propoxycarbonyl, Y = O, bond; n = 5, 4, 3, 2; R1 = C6H5CH2SO2, (CH3CH2)(CH3)2CCOCO, C6H5CH2SO2, cyclohexylaminocarbonyl] are prepared for pharmaceutical compds. comprising such compds. and methods of their use for effecting neuronal activities. Thus, the title compound I (X = bond; Y = bond; n = 4; R = COY(CH2)nC6H5; R1 = (CH3CH2)(CH3)2CCOCO) was prepared and biol. tested in mice for MPTP model of Parkinson's disease and showed recovery of TH-stained dopaminergic neurons.  
 IT 340255-68-7P 340255-88-1P 340255-89-2P  
 340255-91-6P 340255-92-7P 340255-93-8P  
 340255-94-9P 340255-95-0P 340255-96-1P  
 340255-99-4P 340256-00-0P 340256-01-1P  
 340256-02-2P 340256-03-3P 340256-04-4P  
 340256-07-7P 340256-09-9P 340256-10-0P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of cyclic diaza compds. for treating neurodegenerative disorders)

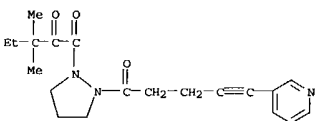
L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
 RN 340255-68-7 CAPLUS  
 CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-5-phenylpentyl)-  
 (9CI) (CA INDEX NAME)



RN 340255-88-1 CAPLUS  
 CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-3-phenylpropyl)-  
 (9CI) (CA INDEX NAME)



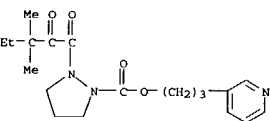
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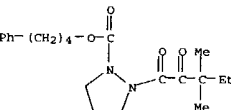
RN 340255-91-6 CAPLUS  
 CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-4-phenylbutyl)-  
 (9CI) (CA INDEX NAME)

L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

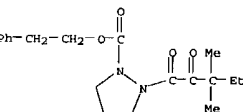
RN 340255-95-0 CAPLUS  
 CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-(3-pyridinyl)propyl ester (9CI) (CA INDEX NAME)



RN 340255-96-1 CAPLUS  
 CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 4-phenylbutyl ester (9CI) (CA INDEX NAME)

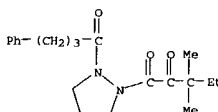


RN 340255-99-4 CAPLUS  
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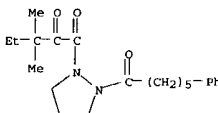


RN 340256-00-0 CAPLUS  
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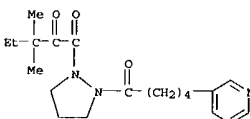
L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



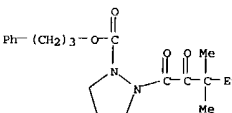
RN 340255-92-7 CAPLUS  
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 (9CI) (CA INDEX NAME)



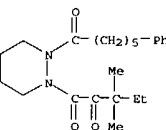
RN 340255-93-8 CAPLUS  
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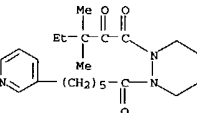
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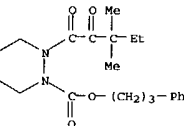
L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



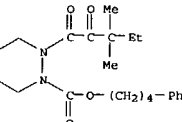
RN 340256-01-1 CAPLUS  
 CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-6-(3-pyridinyl)hexyl)- (9CI) (CA INDEX NAME)



RN 340256-02-2 CAPLUS  
 CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 3-phenylpropyl ester (9CI) (CA INDEX NAME)

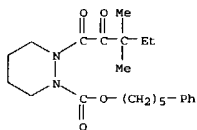


RN 340256-03-3 CAPLUS  
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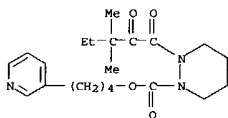


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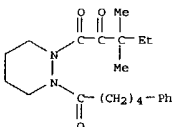
L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
 CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 5-phenylpentyl ester (9CI) (CA INDEX NAME)



RN 340256-07-7 CAPLUS  
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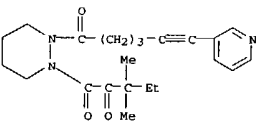


RN 340256-09-9 CAPLUS  
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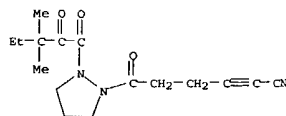
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L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



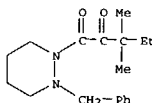
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L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

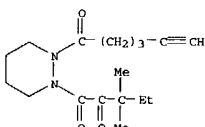


IT 340256-17-9P 340256-19-1P 340256-20-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of cyclic diaza compds. for treating neurodegenerative disorders)

RN 340256-17-9 CAPLUS  
 CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 340256-19-1 CAPLUS  
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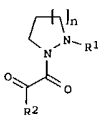


RN 340256-20-4 CAPLUS  
 CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-6-(3-pyridinyl)-5-hexynyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:380557 CAPLUS  
 DOCUMENT NUMBER: 134:366884  
 TITLE: Preparation of N-substituted cyclic aza compounds having neuronal activity  
 INVENTOR(S): Wu, Yong-Qian; Huang, Wei; Hamilton, Gregory S.  
 PATENT ASSIGNEE(S): GPI Nil Holdings, Inc., USA  
 SOURCE: PCT Int. Appl., 105 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001036388	A1	20010525	WO 2000-US23603	20000828
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CP, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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EP 1242383	A1	20020925	EP 2000-957870	20000828
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PRIORITY APPL. INFO.: US 1999-164950P P 19991112				
US 2000-551618 A 20000417				
WO 2000-US23603 W 20000828				
OTHER SOURCE(S): MARPAT 134:366884				
GI				



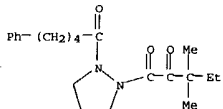
AB The title compds. [I; n = 1-3; R1 = CR3, CO2R3, COR3, etc.; R2, R3 = H, alkyl, alkenyl, etc.; X = O, S], useful for effecting neuronal activities, were prepared. E.g., a multi-step synthesis of I [n = 2; R1 = CO2(CH2)4Ph; R2 = OMeEt; X = O] was described. Biol. data for compds. I (results of test for rotamase inhibition and MPT model of Parkinson's disease) were given.

IT 340255-68-7P 340255-88-1P 340255-89-2P  
 340255-90-5P 340255-91-6P 340255-92-7P  
 340255-93-8P 340255-94-9P 340255-95-0P  
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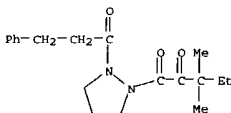
L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

340256-01-1P 340256-02-2P 340256-03-3P  
340256-04-4P 340256-07-7P 340256-09-9PRL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of N-substituted cyclic aza compds. having neuronal activity)

RN 340255-68-7 CAPLUS

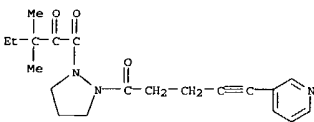
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-5-phenylpentyl)-  
(9CI) (CA INDEX NAME)

RN 340255-88-1 CAPLUS

CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-3-phenylpropyl)-  
(9CI) (CA INDEX NAME)

RN 340255-89-2 CAPLUS

CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-[1-oxo-5-(3-pyridinyl)-4-pentynyl]- (9CI) (CA INDEX NAME)



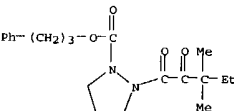
RN 340255-90-5 CAPLUS

CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-4-pentynyl)- (9CI)  
(CA INDEX NAME)

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

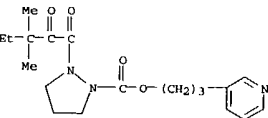
RN 340255-94-9 CAPLUS

CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-phenylpropyl ester (9CI) (CA INDEX NAME)



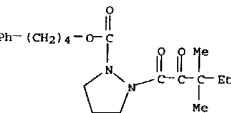
RN 340255-95-0 CAPLUS

CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-(3-pyridinyl)propyl ester (9CI) (CA INDEX NAME)



RN 340255-96-1 CAPLUS

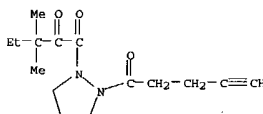
CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 4-phenylbutyl ester (9CI) (CA INDEX NAME)



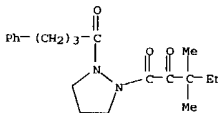
RN 340255-99-4 CAPLUS

CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 2-phenylethyl ester (9CI) (CA INDEX NAME)

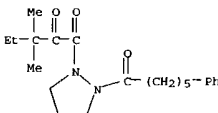
L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 340255-91-6 CAPLUS

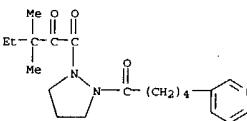
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-4-phenylbutyl)-  
(9CI) (CA INDEX NAME)

RN 340255-92-7 CAPLUS

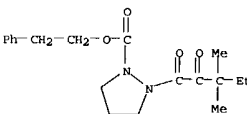
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-6-phenylhexyl)-  
(9CI) (CA INDEX NAME)

RN 340255-93-8 CAPLUS

CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-[1-oxo-5-(3-pyridinyl)pentyl]- (9CI) (CA INDEX NAME)

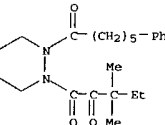


L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



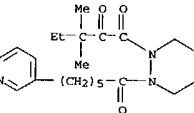
RN 340256-00-0 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-6-phenylhexyl)- (9CI) (CA INDEX NAME)



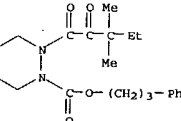
RN 340256-01-1 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-[1-oxo-6-(3-pyridinyl)hexyl]- (9CI) (CA INDEX NAME)



RN 340256-02-2 CAPLUS

CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 3-phenylpropyl ester (9CI) (CA INDEX NAME)

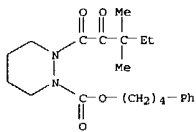


RN 340256-03-3 CAPLUS

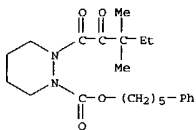
CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-

09/ 835,523

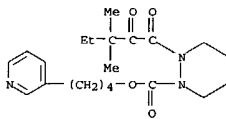
L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
dioxopentyl)tetrahydro-, 4-phenylbutyl ester (9CI) (CA INDEX NAME)



RN 340256-04-4 CAPLUS  
CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 5-phenylpentyl ester (9CI) (CA INDEX NAME)

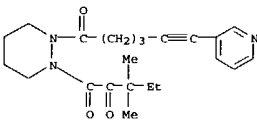


RN 340256-07-7 CAPLUS  
CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 4-[3-pyridinyl]butyl ester (9CI) (CA INDEX NAME)



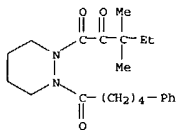
RN 340256-09-9 CAPLUS  
CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-5-phenylpentyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

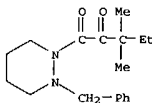


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

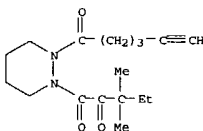
L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



IT 340256-17-9P 340256-19-1P 340256-20-4P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of N-substituted cyclic aza compds. having neuronal activity)  
RN 340256-17-9 CAPLUS  
CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 340256-19-1 CAPLUS  
CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-5-hexynyl)- (9CI) (CA INDEX NAME)



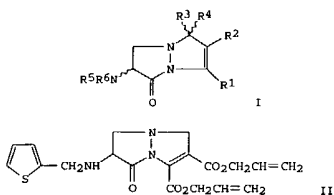
RN 340256-20-4 CAPLUS  
CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-6-(3-pyridinyl)-5-hexynyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1987:119880 CAPLUS  
DOCUMENT NUMBER: 106:119880  
TITLE: 7-Substituted bicyclic pyrazolidinones, their preparation, and their use as antibacterials  
Jungheim, Louis Nikolaus; Sigmund, Sandra Kay; Holmes, Richard Elmer; Barnett, Charles Jackson; Ternansky, Robert John  
PATENT ASSIGNEE(S): Eli Lilly and Co., USA  
SOURCE: Eur. Pat. Appl., 337 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 202046	A1	19861120	EP 1986-303174	19860428
EP 202046	B1	19910130		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
CN 86103619	A	19861029	CN 1986-103619	19860428
AU 8556755	A1	19861113	AU 1986-56755	19860428
DK 8601930	A	19870120	DK 1986-1930	19860428
HU 40660	A2	19870128	HU 1986-1763	19860428
ZA 8603170	A	19871230	ZA 1986-3170	19860428
ES 554463	A1	19880216	ES 1986-554463	19860428
CA 1274832	A1	19901002	CA 1986-507777	19860428
AT 60605	E	19910215	AT 1986-303174	19860428
JP 61254589	A2	19861112	JP 1986-100817	19860430
JP 07059582	B4	19950628		
US 4716232	A	19871229	US 1986-862913	19860514
US 4734505	A	19880329	US 1986-862909	19860514
US 4734504	A	19880329	US 1986-862918	19860514
JP 63112583	A2	19880517	JP 1986-258084	19861028
US 4795815	A	19890103	US 1987-114897	19871029
ZA 8802604	A	19891227	ZA 1988-2604	19880413
US 4940718	A	19900710	US 1989-418782	19891002
US 5011938	A	19910430	US 1990-503574	19900401
PRIORITY APPLN. INFO.:				
			US 1985-729021	19850430
			EP 1986-303174	19860428
			US 1986-862906	19860514
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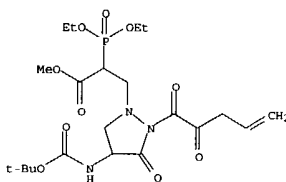
GI



AB The title compds. I [1 of R1, R2 = H, halo, C1-6 (un)substituted alkyl, perfluoro C2-4 alkyl, C7-12 (un)substituted aralkyl, (un)substituted Ph, heterocyclyl, NO2, cyano, CX3 (X = F, Cl, Br, iodo), S(O)zR7 [z = 0-2; R7 = C1-6 (un)substituted alkyl, Ph, C7-12 arylalkyl, heterocyclyl], COR8 [R8 = H, C1-6 (un)substituted alkyl, perfluoro C2-4 alkyl, CCl3, etc.], CO2R9 [R9 = H, cation, C1-6 (un)substituted alkyl, etc.], PO3(R10)2 [R10 = H, cation, C1-6 (un)substituted alkyl, etc.], CH2N4:tpbond.Q (N4:tpbond.Q = quaternary ammonium group), heterocyclylthiomethyl, OR11 [R11 = H, C1-6 (un)substituted alkyl, etc.], NR12R13 [R12, R13 = H, C1-6 (un)substituted alkyl, etc.], CO2R14 (R14 = C1-6 alkyl, C7-12 arylalkyl, Ph); the other of R1, R2 = CO2R15 (R15 = cation, CO2H-protecting group, non-toxic, metabolically labile ester-forming group; R3, R4 = H, C1-6 (un)substituted alkyl, C7-12 (un)substituted arylalkyl, (un)substituted Ph, CO2R9; R5, R6 = H, amino protecting group, C1-30 acyl, at least 1 of R5, R6 = H; R5R6N = phthalimido] and their pharmaceutically acceptable salts, useful as antibacterials (no data), were prepared. Me 3-hydroxy-2-(S)-(tert-butoxycarbonylamino)propionate was tosylated and the product cyclocondensed with N2H4 to give 48% 4(R,S)-(tert-butoxycarbonylamino)-3-oxo-1-pyrazolidine. Treatment with 37% aqueous HCHO gave the 1-methylenepyrazolidinium ylide, which underwent cycloaddn. with diallyl butynedioate to give 32.8% diallyl 7(R,S)-(tert-butoxycarbonylamino)-8-oxo-1,5-diazabicyclo[3.3.0]oct-2-ene-2,3-dicarboxylate. This was deprotected and the free amino group acylated with 2-thienylacetyl chloride to give 62% 7(R,S)-II.

IT 106892-69-7P 106892-71-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and cyclization of)

RN 106892-69-7 CAPLUS  
 CN 1-Pyrazolidinepropanoic acid,  $\alpha$ -(diethoxyphosphiny)l-4-[[[(1,1-dimethylethoxy)carbonylamino]-2-(1,2-dioxo-4-pentenyl)-3-oxo-, methyl ester (9CI) (CA INDEX NAME)]



RN 106892-71-1 CAPLUS  
 CN 1-Pyrazolidinepropanoic acid,  $\alpha$ -(diethoxyphosphiny)l-4-[[[(1,1-dimethylethoxy)carbonylamino]-2-(1,2-dioxo-4-pentenyl)-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)]

